

Connectors for pcb applications – general information

The range of pcb connectors available at HARTING is summarised in the table under. For each of the basic connector versions, the available contact styles are documented with termination process, pitch, plating, rating for power contacts and impedance for coaxial contact etc..., as well as the accessory configuration.

Pcb connectors are delivered fully loaded thus providing a very good positioning of the contacts in their cavities for an easy and safe insertion of the pins in the pcb holes particularly crucial in the right angled versions.

Due to the numerous possibilities offered with the pcb connectors, suggested method is to contact your local HARTING representative to determine the part number to order; see customer request form on pages 04.40 and 04.41.

	Straight		Right angled	
Insulator body	<ul style="list-style-type: none"> • Standard • SMC: Solder Reflow Compatible 		<ul style="list-style-type: none"> • Standard • SMC: Solder Reflow Compatible 	
Signal contacts	Solder termination <ul style="list-style-type: none"> • Pitch: 2.84 mm • Plating: 0.76 µm Au over Ni • Pcb thickness from 1.6 to 3.2 mm 		Solder termination <ul style="list-style-type: none"> • Pitch: 2.54 mm • Plating: 0.76 µm Au over Ni • Pcb thickness from 1.6 to 3.2 mm 	
Power contacts	Solder termination <ul style="list-style-type: none"> • Rating: 20, 30, 40 A • Plating: 0.76 µm Au over Ni Press-in termination <ul style="list-style-type: none"> • Rating: 30 A • Plating: 0.76 µm Au over Ni 		Solder termination <ul style="list-style-type: none"> • Rating: 20, 30, 40 A • Plating: 0.76 µm Au over Ni 	
Coaxial contacts	Solder termination <ul style="list-style-type: none"> • 50 or 75 Ω • Plating: 1.3 µm Au over Ni inner conductor 0.76 µm Au over Ni outer ring 		Solder termination <ul style="list-style-type: none"> • 50 or 75 Ω • Plating: 1.3 µm Au over Ni inner conductor 0.76 µm Au over Ni outer ring 	
Accessories	Through hole		Metal bracket with board lock and through hole	
	Nut: M3 or UNC 4-40		Metal bracket with board lock and clinch nut M3 or UNC 4-40	
	Spacer: M3 or UNC 4-40		Metal bracket with board lock and female screw lock UNC 4-40	
	Spacer (M3 or UNC 4-40) with board lock			
	Spacer + board lock + female screw lock M3 or UNC 4-40			

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